EP-07-105-2

GENERAL NOTES:

1. ALL IMPROVEMENTS SHALL BE CONSTRUCTED IN STRICT ACCORDANCE WITH THE FOLLOWING: SAN JOAQUIN COUNTY IMPROVEMENT STANDARDS, AND ALL AMENDMENTS TO DATE, CALIFORNIA DEPARTMENT OF TRANSPORTATION (CALTRANS) STANDARD SPECIFICATIONS AND STANDARD PLANS (2002 EDITION). WHERE APPLICABLE. ALL WORK SHALL BE UNDER THE INSPECTION OF SAN JOAQUIN COUNTY DEPARTMENT OF PUBLIC WORKS.

2. IT IS INTENDED THAT THESE PLANS AND SPECIFICATIONS REQUIRE ALL LABOR AND MATERIALS NECESSARY AND PROPER FOR THE WORK CONTEMPLATED AND THAT THE WORK BE COMPLETED IN ACCORDANCE WITH THEIR TRUE INTENT AND PURPOSE. THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY REGARDING ANY DISCREPANCIES AND AMBIGUITIES WHICH MAY EXIST IN THE PLANS AND SPECIFICATIONS. IF THE PLANS OR SPECIFICATIONS DESCRIBE PORTIONS OF THE WORK IN GENERAL TERMS BUT NOT IN COMPLETE DETAIL, IT IS UNDERSTOOD THAT ONLY THE BEST GENERAL PRACTICE IS TO PREVAIL AND THAT ONLY MATERIALS AND WORKMANSHIP OF THE FIRST QUALITY ARE TO BE USED.

3. CONSTRUCTION STAKING FOR GRADING SHALL BE DONE UNDER THE DIRECTION OF MCR ENGINEERING. THE CONTRACTOR SHALL NOTIFY THE ENGINEER SEVENTY-TWO (72) HOURS IN ADVANCE OF THIS NEED FOR STAKING. ANY STAKING REQUESTED BY THE CONTRACTOR OR HIS SUBCONTRACTORS THAT IS ABOVE AND BEYOND NORMAL STANDARD SUBDIVISION STAKING NEEDS, WILL BE SUBJECT TO AN EXTRA BACK CHARGE TO THE CONTRACTOR.

4. THE CONTRACTOR SHALL EXERCISE DUE CAUTION AND SHALL CAREFULLY PRESERVE BENCH MARKS, REFERENCE POINTS AND ALL SURVEY STAKES, AND SHALL BEAR ALL EXPENSE FOR REPLACEMENT AND/OR ERRORS CAUSED BY THEIR UNNECESSARY LOSS OR DISTURBANCE.

5. CONTRACTOR AGREES THAT HE SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY; THAT THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS; AND THAT THE CONTRACTOR SHALL DEFEND, INDEMNIFY AND HOLD THE OWNER, ENGINEER AND THE COUNTY HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING FOR LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE OWNER OR THE ENGINEER.

6. UNLESS OTHERWISE STATED, ALL STATIONS INDICATED ON THE IMPROVEMENT PLANS ARE REFERENCED TO THE CENTERLINE OF THE STREET. ALL STATIONS OFF CENTER ARE PERPENDICULAR TO OR RADIALLY OPPOSITE CENTERLINE STATIONS, UNLESS OTHERWISE NOTED.

7. THE CONTRACTOR SHALL BE HELD RESPONSIBLE FOR ANY FIELD CHANGES MADE WITHOUT WRITTEN AUTHORIZATION FROM THE COUNTY.

8. THE CONTRACTOR SHALL PROVIDE ALL LIGHTS, SIGNS, BARRICADES, FLAG MAN OR OTHER DEVICES NECESSARY FOR PUBLIC SAFETY IN ACCORDANCE WITH THE CURRENT ISSUE OF "MANUAL OF TRAFFIC CONTROLS, WARNING SIGNS, LIGHTS AND DEVICES FOR USE IN PERFORMANCE OF WORK UPON HIGHWAY" PUBLISHED BY THE STATE OF CALIFORNIA BUSINESS AND TRANSPORTATION AGENCY.

9. THE OFFICE OF THE COUNTY ENGINEER SHALL BE NOTIFIED AT LEAST 48 HOURS IN ADVANCE OF ANY WORK.

10. THE CONTRACTOR SHALL OBTAIN AN ENCROACHMENT PERMIT FROM THE COUNTY DEPARTMENT OF PUBLIC WORKS OR ANY OTHER APPLICABLE AGENCIES PRIOR TO COMMENCEMENT OF WORK WITHIN EXISTING COUNTY RIGHT-OF-WAY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL PERMITS AND LICENSES REQUIRED FOR THE CONSTRUCTION AND COMPLETION OF THE PROJECT.

11. STREET SIGNS, TRAFFIC CONTROL SIGNS, AND PAVEMENT MARKINGS SHALL BE PROVIDED AND INSTALLED BY THE CONTRACTOR AT LOCATIONS ESTABLISHED BY THE ENGINEER.

12. ALL TRAFFIC SIGNS AND PAVEMENT MARKINGS SHALL CONFORM TO THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" (MUTCD), THE CALIFORNIA SUPPLEMENT TO THE MUTCD, AND SAN JOAQUIN COUNTY STANDARDS.

13. CONTRACTOR SHALL VERIFY ALL STREET NAMES AND BLOCK NUMBERS PRIOR TO ORDERING SIGNS.

14. ASPHALT CONCRETE SHALL BE PLACED ONLY WHEN THE ATMOSPHERIC TEMPERATURE IS ABOVE 50°F.

15. CONTRACTOR IS RESPONSIBLE FOR COORDINATION OF THE REMOVAL OR RELOCATION OF ALL EXISTING UTILITIES WITH RESPECTIVE UTILITY COMPANIES.

16. PRIOR TO COMMENCING ANY WORK, IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO HAVE EACH UTILITY COMPANY LOCATE, IN THE FIELD, THEIR MAIN AND SERVICE LINES. THE CONTRACTOR SHALL NOTIFY MEMBERS OF THE UNDERGROUND SERVICE ALERT (U.S.A.) 48 HOURS IN ADVANCE OF PERFORMING ANY EXCAVATION WORK BY CALLING THE TOLL-FREE NUMBER (800) 642-2444. THE CONTRACTOR SHALL RECORD THE U.S.A. ORDER NUMBER AND FURNISH ORDER NUMBER TO OWNER PRIOR TO ANY EXCAVATION. IT SHALL BE THE CONTRACTOR'S SOLE RESPONSIBILITY TO PROTECT ALL EXISTING UTILITIES SO THAT NO DAMAGE RESULTS TO THEM DURING THE PERFORMANCE OF THIS CONTRACT. ANY REPAIRS NECESSARY TO DAMAGED UTILITIES SHALL BE PAID FOR BY THE CONTRACTOR. THE CONTRACTOR SHALL BE REQUIRED TO COOPERATE WITH OTHER CONTRACTORS AND UTILITY COMPANIES INSTALLING NEW STRUCTURES, UTILITIES AND SERVICE TO THE DEVELOPMENT.

17. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING EXISTING IMPROVEMENTS FROM DAMAGE. COST OF REPLACING EXISTING IMPROVEMENTS SHALL BE INCLUDED IN THE UNIT PRICE BID FOR ITEMS REQUIRING REMOVAL AND REPLACEMENT OF EXISTING IMPROVEMENTS.

18. WHENEVER PAVEMENT IS BROKEN OR CUT IN THE INSTALLATION OF THE WORK COVERED BY THESE SPECIFICATIONS, THE PAVEMENT SHALL BE REPLACED, AFTER PROPER BACKFILLING, WITH PAVEMENT MATERIALS EQUAL TO OR BETTER THAN THE MATERIALS USED IN THE ORIGINAL PAVING. THE FINISHED PAVEMENT SHALL BE SUBJECT TO THE APPROVAL OF THE COUNTY ENGINEER.

19. PAYMENT FOR PAVEMENT WILL BE MADE ONLY FOR AREAS SHOWN ON THE PLANS. REPLACEMENT OF PAVEMENT WHICH IS BROKEN OR CUT DURING THE INSTALLATION OF THE WORK COVERED BY THESE SPECIFICATIONS, AND WHICH LIES OUTSIDE OF SAID AREAS, SHALL BE INDICATED IN THE CONTRACTOR'S UNIT PRICE FOR PAVEMENT, AND NO ADDITIONAL PAYMENT SHALL BE MADE FOR SUCH WORK.

20. EXCAVATIONS OF 5 FEET OR MORE IN DEPTH WILL REQUIRE AN EXCAVATION PERMIT FROM THE STATE OF CALIFORNIA DEPARTMENT OF INDUSTRIAL SAFETY. FOR TRENCHES 5 FEET OF MORE IN DEPTH, THE CONTRACTOR SHALL COMPLY WITH SECTION 5-1.02A OF THE CALTRANS STANDARDS, CHAPTER 9 OF THE STATE OF CALIFORNIA LABOR CODE, AND ANY LOCAL CODES OR ORDINANCES.

21. WE CALL YOUR ATTENTION TO TITLE 8 CALIFORNIA ADMINISTRATION CODE SECTION 1540 (A) (1) OF THE CONSTRUCTION SAFETY ORDERS ISSUED BY THE OCCUPATIONAL SAFETY AND HEALTH STANDARDS BOARD PURSUANT TO THE CALIFORNIA OCCUPATIONS SAFETY AND HEALTH ACT OF 1973 AS AMENDED WHICH STATES: (1) PRIOR TO OPENING AN EXCAVATION EFFORT SHALL BE MADE TO DETERMINE WHETHER UNDERGROUND INSTALLATIONS; I.E. SEWER, WATER, FUEL, ELECTRICAL LINES, ETC., WILL BE ENCOUNTERED AND IF SO, WHERE SUCH UNDERGROUND INSTALLATIONS ARE LOCATED. WHEN THE EXCAVATION APPROACHES THE APPROXIMATE LOCATION OF SUCH INSTALLATION, THE EXACT LOCATION SHALL BE DETERMINED BY CAREFUL PROBING OR HAND DIGGING; AND, WHEN IT IS UNCOVERED, ADEQUATE PROTECTION SHALL BE PROVIDED FOR THE EXISTING INSTALLATION. ALL KNOWN OWNERS OF UNDERGROUND FACILITIES IN THE AREA CONCERNED SHALL BE ADVISED OF PROPOSED WORK AT LEAST 48 HOURS PRIOR TO THE START OF ACTUAL EXCAVATION.

22. ALL TRENCHES ON MAJOR AND COLLECTOR STREETS AND CROSS TRENCHES ON ALL STREETS SHALL BE PAVED WITH TEMPORARY PAVING THE SAME DAY THE PAVEMENT CUT IS MADE.

23. APPROPRIATE DUST CONTROL SHALL BE PROVIDED, AT THE CONTRACTOR'S EXPENSE TO MINIMIZE ANY DUST NUISANCE AND SHALL BE IN ACCORDANCE WITH SECTION 10 OF CALTRANS STANDARD SPECIFICATIONS AND THE REQUIREMENTS OF THE CITY OF MANTECA.

24. THE CONTRACTOR SHALL SUBMIT TO THE ENGINEER, PRIOR TO FINAL ACCEPTANCE, RECORD DRAWINGS OF ALL IMPROVEMENTS REPRESENTED BY THE PROJECT PLANS AND SPECIFICATIONS.

25. TO COMPLY WITH THE STATE OF CALIFORNIA'S STATE-WIDE GENERAL NPDES PERMIT, REGULATING DISCHARGES OF STORM WATER ASSOCIATED WITH CONSTRUCTION ACTIVITY FROM SOIL DISTURBANCES OF ONE (1) ACRE OR MORE, A NOTICE OF INTENT (NOI) TO COMPLY WITH THE TERMS OF THE GENERAL PERMIT TO DISCHARGE STORM WATER ASSOCIATED WITH CONSTRUCTION ACTIVITY MUST BE FILED AND APPROPRIATE FEE PAID PRIOR TO COMMENCEMENT OF CONSTRUCTION. IN ADDITION, AT THE CONCLUSION OF THE PROJECT A NOTICE OF TERMINATION MUST ALSO BE FILED. SUBMIT THE FEE, NOTICE OF INTENT, AND NOTICE OF TERMINATION TO THE STATE RESOURCES CONTROL BOARD AT THE FOLLOWING ADDRESS.

STATE WATER RESOURCES CONTROL BOARD
DIVISION OF WATER QUALITY
PO BOX 1977
SACRAMENTO, CA 95812-1977
ATTN: STORM WATER PERMITTING SECTION

IF YOU HAVE ANY QUESTIONS CALL WATER QUALITY CONTROL ENGINEER, CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD AT (916) 255-3028.

26. THE CONTRACTOR SHALL COMPLY WITH THE REQUIREMENTS OF THE STATE WATER RESOURCES CONTROL BOARD (SWPPP) ORDER NO. 99-008, NPDES GENERAL FACILITY ID NO. 5S38S312287. THE CONTRACTOR SHALL IMPLEMENT AND MONITOR A STORM WATER POLLUTION PREVENTION PLAN (SWPPP) IN ACCORDANCE WITH THE SWRCB REGULATIONS.

27. GUARANTEE: THE COMPLETED PROJECT SHALL BE GUARANTEED BY THE DEVELOPER AGAINST FAULTY WORKMANSHIP AND MATERIALS FOR A PERIOD OF ONE YEAR AFTER FINAL ACCEPTANCE BY THE COUNTY. THE DEVELOPER SHALL BE RESOPNSIBLE FOR ALL REPAIR AND/OR NECESSARY REPLACEMENTS, INCLUDING ALL LABOR, MATERIALS, EQUIPMENT, DEVICES, PAINT AND OTHER ITEMS OF WORK NECESSARY. TO SECURE THIS GUARANTEE, A BOND OR OTHER SECURITY SHALL BE PROVIDED IN THE AMOUNT OF TWENTY (20) PERCENT OF THE VALUE OF THE WORK ESTIMATED BY THE ENGINEER. SAID BOND SHALL CONTINUE IN FULL FORCE AND EFFECT FOR A PERIOD OF ONE YEAR FROM THE DATE OF THE FORMAL ACCEPTANCE OF THE WORK BY THE COUNTY.

GRADING NOTES:

1. EARTHWORK SHALL BE PERFORMED IN ACCORDANCE WITH SAN JOAQUIN COUNTY STANDARDS AND THE SOILS REPORT BY NEIL ANDERSON AND ASSOCIATES. ALL FILL AREAS SHALL BE TESTED AS REQUIRED BY THE COUNTY AND PAID FOR BY THE DEVELOPER.

2. EXCESS EARTH GENERATED FROM UNDERGROUND INSTALLATION AND ROADWAY GRADING SHALL BE PLACED AS DIRECTED BY M.C.R. ENGINEERING. EXCESS MATERIAL TAKEN OFF-SITE SHALL BE IN ACCORDANCE W/ SECTION 7-1:1.13, "DISPOSAL OF MATERIAL OUTSIDE THE HIGHWAY RIGHT-OF-WAY."

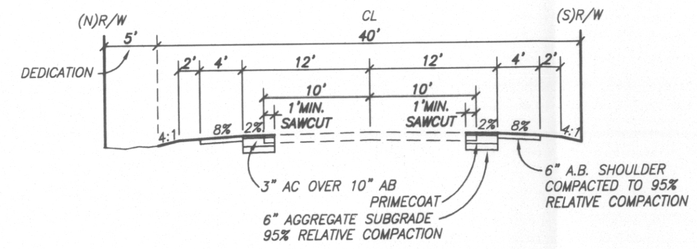
3. THE CONTRACTOR SHALL REVIEW SITE PRIOR TO BIDDING. ALL VEGETATION AND DELETERIOUS MATERIALS SHALL BE REMOVED FROM AREAS TO BE GRADED OR PAVED AT THE EXPENSE OF THE CONTRACTOR AND SHALL BE INCLUDED IN THE LUMP SUM CLEARING COST.

4. CLEARING AND GRUBBING SHALL CONFORM TO SECTION 16 "CLEARING AND GRUBBING" OF THE CALTRANS STANDARD SPECIFICATIONS.

5. THE CONTRACTOR SHALL PRESERVE ALL STAKES AND POINTS SET FOR LINES, GRADES OR MEASUREMENT OF THE WORK IN THEIR PROPER PLACES UNTIL AUTHORIZED TO REMOVE THEM BY THE ENGINEER. ALL EXPENSES INCURRED IN REPLACING STAKES THAT HAVE BEEN REMOVED WITHOUT PROPER AUTHORITY SHALL BE PAID FOR BY THE GENERAL CONTRACTOR.

LEGEND

DESCRIPTION	SYMBOLS
STORM DRAIN	12"SD
TYPICAL 100W ELECTROLIER	
STOP SIGN	R1
STREET NAME SIGN	
TYPICAL SIGNAGE (CA SIGN CODES)	
UTILITY BOX	
STANDARD DRIVEWAY	
STOP BAR (ADD REFLECTIVE MARKERS)	
DIRECTION OF FLOW	.003
EDGE OF PAVEMENT ELEVATION	68.34
ORIGINAL GROUND	N/A
1' CONTOURS	32



WILDWOOD ROAD

NOT TO SCALE

* STREET SECTION DEPICTS PROPOSED WIDENING ON BOTH SIDES OF THE STREET. REFER TO THE CROSS SECTIONS AND PLANS TO ACCURATELY ASSESS LIMITS OF PROPOSED CONSTRUCTION.

(10/92)
Sec. 10-1, Construction Details
Std. Spec. Sec. 19
Alternate A

EARTHWORK.--Earthwork shall conform to the requirements in Section 19, "Earthwork," of the Standard Specifications and those special provisions.

All relative compaction requirements of Section 19-5, "Compaction," of the Standard Specifications, shall be not less than 90 percent.

The requirement of the second paragraph of Section 19-5.03, "Relative Compaction (95 percent)," of the Standard Specifications, will be required only in those areas shown on the plans.

In lieu of the tolerance specified in Section 19-1.03B, "Grade Tolerance," of the Standard Specifications, the surface of the grading plane shall not be more than 0.05 foot above or below the grade established by the Engineer.

Before grade is approved by the Engineer, all earthwork (including driveways and slopes) shall be compacted to grade. Unless otherwise shown on the plans, all surplus materials not to be salvaged, stockpiled or disposed of as provided in Section 19-2.06, "Surplus Material," of the Standard Specifications, shall become the property of the Contractor and disposed of as provided in Section 7-1.13, "Disposal of Material Outside the Highway Right of Way," of the Standard Specifications.

Unless otherwise shown on the plans, the existing pavement, when used as embankment, shall be broken up into pieces not larger than 0.33 foot in greatest dimension.

Full compensation for breaking up the existing pavement shall be considered as included in the contract price paid per cubic yard for roadway excavation and no additional compensation will be allowed therefor.

(SPECS 3J93S551-A-P1)

(10/92)
Sec. 10-1, Construction Details
Std. Spec. Sec. 19
Alternate C

EARTHWORK (STRUCTURE EXCAVATION & BACKFILL).--Structure excavation and backfill shall conform to the requirements in Section 19-3, "Structure Excavation and Backfill," of the Standard Specifications and these special provisions.

Ponding and jetting will not be permitted.

Compaction and Material Requirements: Unless otherwise shown on the plans, the compaction and material requirements within the limits of structure backfill for pipes and arches shall be as follows:

(a) From the bottom of the trench to one-half of the outside diameter of the pipe shall be no less than 95 percent relative compaction. Backfill material shall conform to the requirements of Section 19 3.06, "Structure Backfill," of the Standard Specifications.

(b) From one-half the outside diameter of the pipe to three feet below finish grade shall be no less than 90 percent relative compaction. Backfill material shall be selected material from structure excavation. The thickness of each layer of backfill within these limits shall not exceed 2.0 feet before compaction.

(c) From three feet below finish grade to the finish grade shall be no less than 90 percent relative compaction. Backfill material shall be selected material from structure excavation.

The thickness of each layer of backfill within these limits shall not exceed 1.0-foot before compaction.

Structure Backfill which is outside of the paved portions of the roadway, unless otherwise specified on the plans, shall be native material selected for its resistance to erosion.

Full compensation for the quantities of structure excavation and structure backfill shall be considered as included in the contract price paid for the item for which structure excavation and structure backfill is performed, and no separate payment will be made therefor.

(SPECS 3J93S539-A-P1)

(3/88)
Sec. 10-1. Construction Details
Std. Spec. Sec. 26
Alternate A

AGGREGATE BASE --Aggregate base shall conform to the requirements in Section 26, "Aggregate Bases," of the Standard Specifications and these special provisions.

Aggregate Base shall be Class 2.

The combined aggregate shall conform to the grading specified for the 3/4-inch maximum aggregate.

The R-Value requirement may be waived provided the aggregate base conforms to the specified grading and durability and has a sand equivalent value of 33 or more.

(SPECS 0D93S536-A-P1)

(2/04)
Sec. 10-1, Construction Details
Std. Spec. Sec. 26
Alternate B

AGGREGATE BASE.--Aggregate base shall conform to the requirements in Section 26, "Aggregate Bases," of the Standard Specifications and these special provisions.

Aggregate Base shall be Class 2.

The combined aggregate shall conform to the grading specified for the 3/4-inch maximum aggregate.

The R-Value requirement may be waived provided the individual test result of the aggregate base conforms to the specified grading and durability and has a sand equivalent value of 33 or more.

Reclaimed asphalt concrete, portland cement concrete, lean concrete base, cement treated base or a combination of any of these materials may be substituted for Class 2 Aggregate Base, provided it meets the specified gradation and R-Value requirements. Durability and sand equivalent requirements shall be waived.

If the results of the R-Value test on the substituted materials do not meet the requirements for Class 2 Aggregate Base, the aggregate base represented by the failing test shall be removed. However, if requested by the Contractor and approved by the engineer, the substituted materials having an R-Value of 75 through 77 may remain in place and the Contractor shall pay to the County $7.25 per cubic yard for such aggregate base left in place. The County may deduct this amount from any monies due, or that may become due, the Contractor on this project. No single R-Value test shall represent more than 2000 cubic yards or one day's production.

The results of the R-Value test shall be known prior to placement of subsequent layers of material.

(SPECS 0D93S535-A-P1)

(3/06)
Sec. 10-1, Construction Details
Std. Spec. Sec. 39
Alternate A
Page 1 of 3

ASPHALT CONCRETE.--Asphalt Concrete shall conform to the requirements in Section 39, "Asphalt Concrete," of the Standard Specifications and these special provisions.

Asphalt concrete shall be Type "B". Aggregate shall conform to the 1/2-inch maximum, coarse or medium grading as determined by the Engineer. At the Contractor's option and with approval of the Engineer, aggregate may be 3/4-inch maximum, medium grading with the exception of the final finish course.

Aggregate conforming to the 3/8-inch maximum grading will be permitted for use in driveways, dikes and other areas with approval of the Engineer.

A minimum of 2 weeks prior to intended use, the Contractor shall provide to the Resident Engineer proposed aggregate sources, gradations, and aggregate characteristics demonstrating compliance with Section 39 of the Standard Specifications. A mix design performed in accordance with California Test 367 shall be provided for each type and source of material to be used on the project. The proposed gradation shall produce a product meeting the requirements of the Standard Specifications without exceeding 4.5 percent air voids. The exact amount of asphalt binder to be mixed with the aggregate will be determined by the Engineer based on the best results provided. The asphalt binder shall be Grade PG 64 – 10 as specified in Section 92, "Asphalts," of these Special Provisions.

When the asphalt concrete is to be produced in a batch plant, the asphalt concrete shall be proportioned and mixed by the automatic method.

When shown in the Engineer's Estimate prime coat, liquid asphalt penetration grade shall be SC-70 or SC-250 as directed by the Engineer. The placement of asphalt concrete shall not begin until 24 hours after the prime coat is applied.

Paint binder (tack coat) shall be applied at a rate of approximately 0.05 gallon per square yard, unless otherwise shown on the plans.

All steel-tired rollers shall be of the tandem type. The third paragraph of Section 39-5.07, "Compacting Equipment," of the Standard Specifications, shall be deleted.

The dumping of material in a windrow, in accordance with Section 39-6.01, "General Requirements," of the Standard Specifications, shall be limited to 750 feet in advance of the paving machine, unless otherwise permitted by the Engineer.

(SPECS 0D93S539-A-P1)

(2/04)
Sec. 10-1, Construction Details
Std. Spec. Sec. 39
Alternate A
Page 2 of 3

The sixth paragraph in Section 39-6.01, "General Requirements," of the Standard Specifications, shall be amended by deleting the second footnote, which reads, "At the option of the Contractor, one layer 75 mm (0.25-foot) thick may be placed."

The tenth paragraph of Section 39-6.03, "Compacting," of the Standard Specifications, allowing the use of "alternative compacting equipment" shall be deleted.

Unless otherwise shown on the plans, asphalt paver equipment used to place asphalt concrete shall be equipped with full automatic screed and grade sensing controls which shall control the longitudinal grade and transverse slope of the screed. The controls shall be actuated by grade and slope references. Corrections on account of deviations from the references shall be automatic. Guides and references required to control the longitudinal grade and transverse slopes shall be furnished and installed by the Contractor.

Should the Contractor elect to use a ski device for longitudinal control, the minimum length of the device shall be 30 feet. The device shall be a rigid unit mounted on multiple supports. Each support shall act independently of others and the finished grade shall not be affected by the action of a single support. Alternative longitudinal grade control equipment with grade averaging capability may be used with approval of the Engineer.

When asphalt concrete gutters are designated on the plans, a stringline or wire grade reference shall be required to control longitudinal grade of the gutter. The gutter shall be water tested before acceptance. The maximum deviation from a true grade shall not result in ponding water for depth exceeding 0.04 foot.

Surfacing operations shall be conducted in such a manner that, at the end of each day's work, the distance between the ends of adjacent surfaced lanes shall not be greater than can be completed in the following day of normal surfacing operations.

Portable delineators in conformance with Section 12-3.04, "Portable Delineators," of the Standard Specifications shall be furnished and placed at a maximum spacing of 300 feet on tangents and 100 feet on curves along any edge of now surfacing which has a drop off of more than 0.10 foot. Delineators shall be staggered when required on both sides of traffic.

(SPECS 1J93S539-A-P2)

(2/04)
Sec. 10-1, Construction Details
Std. Spec. Sec. 39
Alternate A
Page 3 of 3

Existing pavement markers shall be removed and disposed of, unless otherwise shown on the plans.

During the removal of ceramic type pavement markers, screens or other protective devices shall be furnished to contain any fragments as provided for in Section 7-1.09, "Public Safety," of the Standard Specifications.

Asphalt concrete used for advance leveling, as provided in Section 39-6.02, "Spreading," of the Standard Specifications, when ordered by the Engineer and not shown on the plans, will be paid for at the contract price for asphalt concrete; and also by force account to place asphalt concrete.

When asphalt concrete (leveling) is shown on the plans but the contract does not include a contract pay item, asphalt concrete (leveling) will be measured and paid for as asphalt concrete.

Full compensation for removing pavement markers shall be considered as included in the contract unit price paid for asphalt concrete and no separate payment will be made therefor.

(SPECS 0D93S539-A-P2)

(5/97)
Sec. 10-1. Construction Details
Std. Spec. Sec. 81
Alternate A

MONUMENTS.--Monuments shall conform to the requirements in Section 81, "Monuments," of the Standard Specifications and these special provisions.

The Contractor shall place protective monument frames and covers at the locations shown on the plans.

The contract unit price paid for Monument Frame and Cover shall include full compensation for furnishing all labor, materials, tools, equipment, and incidentals, and for doing all the work involved in placing monument frame and cover, complete in place, including frame and cover, as shown on the plans, as specified in the Standard Specifications and these special provisions, and as directed by the Engineer.

(SPECS 0T93S551-A-P1)

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REVISIONS			
SYMBOL	DATE	DESCRIPTION	APPROVED

JOB NO. 05-044
DATE 03/08/2007 10:34
SCALE AS SHOWN
DR. BY S.S.
CK. BY TM
FILE: J:\2005\05-044\dwg\Sout Inv\02-NOTES.dwg

REGISTERED PROFESSIONAL ENGINEER TONY B. MARSHALL No. C51015 Exp. 9-30-07 CIVIL STATE OF CALIFORNIA

MCR Engineering, Inc.
PLANNING • ENGINEERING • SURVEYING
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(209) 239-8229 FAX (209) 239-8939

PREPARED UNDER THE DIRECTION OF: TONY B. MARSHALL
3-7-07 DATE
R.C.E. C51015 EXP. 9-30-07

GENERAL NOTES AND DETAILS
WILDWOOD ROAD
SAN JOAQUIN COUNTY, CALIFORNIA

SHEET 2 OF 6 SHEETS